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## *Data Warehouse Business Requirements Listed by User Want*

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**User Want:** Budget Execution

Users want to perform analytical processing of status of obligations and other budget execution data.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
6	The system shall provide field offices with the ability to report on status of obligation data.	YES	
7	The system shall be able to track travel costs and obligations.	YES	
12	The system shall provide information about projects and programs from inception to closeout.	YES	See footnotes 1 and 7.  This is financial information at the level of detail provided by the source system.
14	The system shall provide reports on Work For Others (WFO).	YES	WFO includes Reimbursable Work Orders and Inter-Company Work Orders. WFO is an integral segment of DOE's accounting flex field.  The individual transactions are included in source systems. The data warehouse will maintain summary and aggregated data.
28	The system shall provide the ability to compare year-to-date values and prior year-to-date values of obligations and costed amounts.	YES	This is financial information at the level of detail provided by the source system.
30	The system shall provide the ability to perform projections to end-of-year for costed and uncosted amounts.	YES	This requirement can be fulfilled by the user creating a custom report.  This is financial information at the level of detail provided by the source system.
38	The system shall provide the capability to create monthly graphs of obligations, costs, and uncosted balances.	YES	This is financial information at the level of detail provided by the source system.
39	The system shall be able to get the total costs associated with a program or activity.	YES	This requirement is captured in Requirement #12.
46	The system shall provide "Top 10" reports for financial balances.	YES	This requirement covers any number of items presented from any components of the data warehouse.  An example of a Top 10 report includes: Top 10 uncosted balance contracts.
48	The system shall provide a "Top 10" report of programs (or any segment within the accounting flex field) based on uncosted balances.	YES	This requirement is captured in Requirement #46.
66	The system shall provide reporting and analysis capability for carryover and burn rate.	YES	For burn rate, users want to be able to sort and slice and dice using program, CID, and contractor.

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**User Want:** Budget Execution

Users want to perform analytical processing of status of obligations and other budget execution data.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
73	The system shall provide details about intragovernmental transactions.	YES	This requirement is captured in Requirement #14.
75	The system shall be able to report on aggregations of spending at the activity level, by field office.	YES	This assumes that activities can be identified within the accounting flex field.
144	The system shall provide a report on aggregations of uncosted carryover.	YES	
149	The system shall provide the ability to report status of obligations by appropriation, program, and any other segment of the accounting flex field, and sorted by program.	YES	The status of funds reporting is available at any level or aggregation of the accounting flex field.
156	The system shall provide the ability to report on status of obligations data and other financial and accounting data that is filtered at lower organizational levels.	YES	For example, SPRO and NPR sometimes need to sift through all of FE. This should be possible through the parent / child relationships in the Reporting Entity Field, which is the lowest organizational level.
210	The system shall include the reports that are represented in the existing Financial Data Warehouse.	YES	These reports will retain the structure, but not necessarily the historical data, of the reports of the Financial Data Warehouse.
235	The system shall provide the ability to report on year to date contractor costs.	YES	
236	The system shall provide monthly aggregates of spending by site, business line, decision unit, accounts and sub-accounts.	YES	
268	The system shall provide detailed reimbursable reporting by lab, federal and tech transfer and work for others.	YES	
269	The system shall provide the ability to show the organization for which work is being performed. (WFO)	YES	
277	The system shall provide reports that show aggregations of spending by contractor, lab, state, and congressional district.	YES	Currently, this is collected by the Program Activity by Location System (PALS), to be replaced by SBS.

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**User Want:** Budget Execution

Users want to perform analytical processing of status of obligations and other budget execution data.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
3	The system shall provide status of commitments, obligations, costs, outlays, uncosted, and ECOR. This data should be available at different levels (e.g., from the operational offices down to the contract ID number, and including field vs. HQ).	YES - QUALIFIED	See footnote 2 (esp. 2.3).  Uncosted is considered a derived value. Definition is pending.  ECOR is considered a derived value and is defined as Budget Authority + Prior Year Unobligated + Prior Year Deobligated.  Derived values will be pre-computed in the Data Warehouse.
4	The system shall provide status of obligation data on PMAs and the FERC.	YES - QUALIFIED	See footnote 4.  Current policy, agreed to by I-MANAGE Executive Steering Committee, is to continue current schedule and frequency of PMA's interface.
5	The system shall provide reports that include both reservations and obligations.	YES - QUALIFIED	This requirement is captured in Requirement #3.
15	The system shall provide the ability to integrate PMA and FERC data with other DOE data.	YES - QUALIFIED	The ability of the data warehouse to integrate PMA and FERC data depends on the frequency and content of the interfaces with the PMAs and FERC.  See footnote 4.
27	The system shall be capable of reporting the estimated work to be done by the end of the fiscal year.	YES - QUALIFIED	Currently, period of performance is not included on the integrated contractor feed to STARS.  This is financial information at the level of detail provided by the source system.
32	The system shall track dollars spent by work authorization at field sites.	YES - QUALIFIED	This requirement may be satisfied if business processes are revised. Currently, an obligation may occur prior to the establishment of the WAS.
64	The system shall provide the ability to report on R&D reservations, obligations, costs, and outlays.	YES - QUALIFIED	If STARS is able to identify R&D, then the data warehouse will provide this functionality.
65	The system shall provide the ability to report life-of-project costs each year of a project.	YES - QUALIFIED	See footnote 1.  The ability to determine historical costs in the presence of recasts/reprogramming is under review.

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**User Want:** Budget Execution

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
87	The system shall provide the ability to report on the entire history for a given task.	YES - QUALIFIED	This may be possible, depending on the way that user's establish their values in the Program, Project, and Local Use segments.  See footnote 1 (esp. 1.4).
88	The system shall provide the ability to report closeout cost variance.	YES - QUALIFIED	This requirement may be satisfied if closeout cost variance is defined as the difference between total obligations and total costed at contract closure.
109	The system shall provide reports of commitments vs. obligations, uncommitted, and accrued cost vs. actual cost.	YES - QUALIFIED	See footnote 2 (esp. 2.3).  Accruals may not be entered in all instances.
123	The system shall provide a report on program costs broken out by office, sites, business lines, line items, and the program segment of the accounting flex field.	YES - QUALIFIED	The data warehouse will use STARS as its source of cost data.  This should be possible through the parent / child relationships in the Reporting Entity Field, which is the lowest organizational level.
130	The system shall provide reports that include the following: WBS, budget authority, beginning of year plan, initial AFP, accrued AFP, commitments, obligations, costs, outlays, uncommitted, unobligated, and uncoded.	YES - QUALIFIED	Need to determine the source for the beginning of year plan. Eventually, this source will be the SBS.
250	The system shall provide the ability to forecast and report financial data by geographic distribution including city, county, congressional district, and state.	YES - QUALIFIED	See footnote 8.  Geographic breakouts will be limited to those that STARS is able to provide.
274	The system shall provide reports of accounting data by B&Rs, BRNs, MIEs, and CIDs.	YES - QUALIFIED	The system will permit reporting based on data contained in segments of the accounting flex field (AFF).  The AFF includes segments for object class and project. The sub-object class in the Object Class segment will replace the BRN prefix. BRN detail would be captured in the Local Use segment. Program will replace B&Rs and MIEs. CIDs will be available in the purchasing module.
26	The system shall provide the ability to project the location of those on travel and the dollars that will be spent on travel.	NO	This requirement is operational in nature and the detailed data may not be available.

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**User Want:** Budget Execution

Users want to perform analytical processing of status of obligations and other budget execution data.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
52	The system shall provide the ability to more equitably distribute cell phone charges and determine proper plans based on usage. Currently, charges are assigned based on FTE counts.	NO	The Data Warehouse is not the system to allocate cell phone charges, and in fact, this is currently handled by the Working Capital Fund system. An interface program will transfer data from the Working Capital Fund system to the journal import application programming interface within STARS, resulting in a series of journal entries that are posted within the general ledger in STARS.
53	The system shall provide the ability to more equitably distribute video conferencing charges. Currently, charges are based on FTE counts.	NO	The Data Warehouse is not the system to allocate video conferencing charges, and in fact, this is currently handled by the Working Capital Fund system. An interface program will transfer data from the Working Capital Fund system to the journal import application programming interface within STARS, resulting in a series of journal entries that are posted within the general ledger in STARS.
86	The system shall provide the ability to reconcile WBS segments of the AFF with internal checking accounts and produce exception reports for program (accounting flex field) charges without valid checking accounts.	NO	<p>The totals of the B&amp;Rs must match the totals of the checking accounts.</p> <p>This requirement is operational in nature and the detailed data may not be available in the data warehouse.</p>
110	The system shall provide the ability to attach narrative explanation to end of year cost projections when the projections exceed a given variance.	NO	Associating narrative with a specific data element is operational in nature. However, narrative text can be added to customized reports.
133	The system shall provide a report on commitments by contractor/laboratory.	NO	Commitments are not received from the labs, and based on the decision by the I-MANAGE Executive Steering Committee, this will not change for the foreseeable future.
143	The system shall provide the ability to share costs by building and facility among resident organizations.	NO	The Data Warehouse is not the system to allocate building and facility charges, and in fact, this is currently handled by the Working Capital Fund system. An interface program will transfer data from the Working Capital Fund system to the journal import application programming interface within STARS, resulting in a series of journal entries that are posted within the general ledger in STARS.

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<b>User Want:</b>	Budget Execution	Users want to perform analytical processing of status of obligations and other budget execution data.
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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
148	The system shall provide the ability to track irregularities and track debit balances in cost accounts, non-fund areas, and spread on revenues (with 10 different categories).	NO	This requirement is operational in nature and the detailed data may not be available in the data warehouse.

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**User Want:**    Budget Formulation                      Users want to perform analytical processing of budget tables.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
22	The system shall provide the ability to report on the AFP.	YES	
23	The system shall provide reports that show aggregations of funding estimates by contractor, lab, state, and congressional district.	YES	Currently, this is collected by the Program Activity by Location System (PALS), to be replaced by SBS.
43	The system shall provide support for determining program direction costs.	YES	This includes salaries, benefits, support services, travel, WCF.
41	The system shall permit the creation of custom reports that incorporate inflation rates when making future year cost projections or when reporting in constant dollar terms.	YES - QUALIFIED	This requirement can be fulfilled by the user creating a custom report.  This requirement may be better satisfied by the SBS.
85	The system shall permit the creation of custom reports that incorporate inflation rates when projecting salary and benefit costs.	YES - QUALIFIED	This requirement can be fulfilled by the user creating a custom report.  This requirement may be better satisfied by the SBS.



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**User Want: Contracts**

Users want to perform informational reporting on contracts.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
67	The system shall provide the ability to track contracts using cost center.	YES	The cost center in DISCAS is being replaced by the Reporting Entity segment in STARS.
69	The system shall provide the ability to aggregate awards by organization, office and contractor.	YES	
91	The system shall report on small business contracts.	YES	This report may include minority owned 8(a) business if this is identified by the source systems.
24	The system shall require disaggregated contract information and shall not accept "packed 9's" in contractor ID fields.	YES - QUALIFIED	This requirement is captured in Requirement #71.
54	The system shall permit the tracking of procurement dollar value "cradle to grave".	YES - QUALIFIED	Data in STARS will provide the seed for this - however, we will not convert older procurements that are no longer in DISCAS.  See footnote 1 (esp. 1.4).
71	The system shall provide the ability to report on available details about all contracts.	YES - QUALIFIED	This includes contracts that are under \$25K.  This policy issue is being worked by the STARS team and resolution of this issue will determine the ability of the data warehouse to satisfy this requirement.
76	The system shall provide counts of contract awards and the dollar value of contract awards by congressional district.	YES - QUALIFIED	See footnote 8.  Geographic breakouts will be limited to those that STARS is able to provide.
92	The system shall provide a report that lists contracts for which a certain time has elapsed since receipt of an invoice.	YES - QUALIFIED	This requirement is captured in Requirement #62 (under Dashboard).

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**User Want:** ContractorsUsers want to perform informational reporting on contractors.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
83	The system shall provide the ability to differentiate between foreign owned and domestic companies.	YES	STARS permits the entry of a country code when defining vendors.
84	The system shall provide the ability to report on companies, including the company's DUNS number.	YES	
68	The system shall provide the ability to report socio-economic data about contractors and subcontractors.	YES - QUALIFIED	<p>Examples of socio-economic data include the following:</p> <ul style="list-style-type: none"><li>- Hispanic Institution</li><li>- Historically Black College/Univ.</li><li>- Type of Business</li></ul> <p>Socio-economic data will be available for small business that are contractors. It is not believed that this information will be available for subcontractors.</p> <p>The data warehouse will be able to aggregate and analyze transaction data if it is available in a source system.</p>
74	The system shall provide the ability to report on contractor information, including the Energy Contractor Registration and online reps and certs assurances (ORCA).	YES - QUALIFIED	<p>This requirement can be satisfied if ORCA is able to provide a feed for ETL.</p> <p>The data warehouse will be able to aggregate and analyze transaction data if it is available in a source system.</p>
141	The system shall provide a report on projections of contractor FTEs by contractor type, program, and location.	YES - QUALIFIED	<p>This requirement can be satisfied if there is a data feed from integrated contractors that includes FTEs.</p> <p>See footnote 3.</p>
142	The system shall provide a report on type of contractor by program.	YES - QUALIFIED	This requirement can be satisfied if the vendor type in Oracle Financials supports contractor types.
79	The system shall provide more detail about subcontractors.	NO	<p>Currently, there is different granularity between primes and subcontractors.</p> <p>Data for this requirement is not included in the systems slated to feed the Data Warehouse.</p>
80	The system shall provide the ability to integrate prime and subcontractor information.	NO	<p>Currently, this information is in two different systems.</p> <p>Data for this requirement is not included in the systems slated to feed the Data Warehouse.</p>

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**User Want:** Contractors

Users want to perform informational reporting on contractors.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
81	The system shall provide information on M&O contractors: number of employees, government furnished property, pensions, and benefits.	NO	Data for this requirement is not included in CHRIS or DOEInfo.

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**User Want:**    Functional Costs

Users want to perform analytical processing of functional costs.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
121	The system shall provide the ability to group sites (e.g., labs, plants, EM, DP, NV, NNSA, SC) to promote comparisons of similar sites.	YES	
118	The system shall provide reports that include support costs.	YES - QUALIFIED	This requirement is captured in Requirement #120.
119	The system shall provide reports of support costs by site by category for M&O contractors.	YES - QUALIFIED	This requirement is captured in Requirement #120.
120	The system shall provide the ability to perform on-line analysis of support costs by site and category for M&O contractors.	YES - QUALIFIED	<p>This requirement can be addressed to the extent that the necessary data is provided in the monthly integrated contractor feeds.</p> <p>This includes trend analysis. Current OLAP reports include: change analysis, comparison of costs across sites, site schedule, support costs ranking by site, and support costs vs. mission specific trends.</p>

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**User Want:** Human Resources

Users want to perform analytical processing of human resources.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
33	The system shall support the use of organization codes as well as routing symbols to group staff.	YES - QUALIFIED	This requirement can be satisfied if the appropriate level of detail is captured in the reporting entity segment of the accounting flex field.
49	The system shall permit the creation of custom reports that project the number of staff eligible for: retirement, buyout, and early out as well as other classifications.	YES - QUALIFIED	<p>This requirement can be satisfied if CHRIS has the necessary data.</p> <p>This requirement can be fulfilled by the user creating a custom report that applies current business rules for determining eligibility for buyouts.</p> <p>This includes determination of circumstances in which institutional knowledge of certain occupational series may be at jeopardy due to possible retirements.</p>
50	The system shall permit the creation of custom reports that project the number of staff eligible for retirement.	YES - QUALIFIED	This requirement is captured in Requirement #49.
51	The system shall provide the ability to include responsibility center, or cost center, and organization name on reports.	YES - QUALIFIED	This requirement can be satisfied through use of the description provided for valid reporting entities.
58	The system shall provide the ability to report on DOE personnel/manpower, usage, onboards, and costs by pay grade by series by organization by occupational series.	YES - QUALIFIED	<p>This requirement can be satisfied if source systems (e.g., ATAAPS, CHRIS) have the necessary data.</p> <p>This includes authorization, and approved vacancies.</p> <p>This data is not currently captured.</p> <p>The system is fully capable of supporting this requirement if the Department chooses to capture the data in the future.</p>
59	The system shall provide the ability to report on M&O personnel/manpower usage, onboards, and cost.	YES - QUALIFIED	<p>This requirement can be satisfied if source systems have the necessary data.</p> <p>This data is not currently captured.</p>
89	The system shall provide aggregations of training activities.	YES - QUALIFIED	<p>This requirement can be satisfied if the Department establishes a consistent structure for denoting of training activities.</p> <p>Aggregations of training activities could be provided by time period, by organization, and other dimensions.</p>

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**User Want:** Human ResourcesUsers want to perform analytical processing of human resources.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
96	The system shall provide the ability to compare organizations using human resource statistics.	YES - QUALIFIED	See footnote 3.
97	The system shall provide aggregation of HR data.	YES - QUALIFIED	See footnote 3.  Aggregation of HR data must be carried out within the bounds of the Department's privacy and protection policies.
98	The system shall provide the ability to merge diversity characteristics with other HR data and to report on this in the aggregate.	YES - QUALIFIED	See footnote 3.  Aggregation of HR data must be carried out within the bounds of the Department's privacy and protection policies.  Diversity characteristics include race, gender, handicap indicators.
99	The system shall provide the ability to report on aggregations of lab workforce characteristics.	YES - QUALIFIED	See footnote 3.
100	The system shall provide the ability to report on monthly and yearly aggregations of FTEs.	YES - QUALIFIED	See footnote 3.  The aggregations of FTE counts may support any phase of the budget formulation cycle.
102	The system shall provide the ability to perform analysis based on grade and type of employment.	YES - QUALIFIED	This requirement can be satisfied if source systems can supply the grades and types of employment required for analysis.
103	The system shall provide the ability to exclude from HR reporting those former employees that are maintained for financial disclosure purposes.	YES - QUALIFIED	This requirement can be satisfied if CHRIS can indicate those staff that are maintained for financial disclosure purposes.
104	The system shall provide the ability to report on aggregates of awards.	YES - QUALIFIED	This requirement can be satisfied if CHRIS has the necessary data.  Examples of awards include: recruitment, retention (fixed sum or % of salary), relocation, bonuses, time off, on-the-spot, and quality step.
106	The system shall provide the ability to report on aggregates of training data, hiring case files, employee classifications, staffing, and skills assessment data.	YES - QUALIFIED	This requirement can be satisfied if source systems (e.g., QuickHire, CHRIS, and DOEInfo) have the necessary data.

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**User Want:**    Human Resources                      Users want to perform analytical processing of human resources.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
107	The system shall provide the ability to report on aggregates of buy outs, early outs, flexiplace, alternative work schedule, and complaints.	YES - QUALIFIED	This requirement can be satisfied if source systems (e.g., ATAAPS, CHRIS) can provide the necessary data.
132	The system shall permit the creation of custom reports that estimate remaining payroll costs.	YES - QUALIFIED	<p>This requirement can be satisfied if CHRIS has the necessary data.</p> <p>This requirement can be fulfilled by the user creating a custom report that applies current business rules for projecting remaining payroll costs.</p> <p>This estimate should take into consideration thrift savings plans and social security.</p>
151	The system shall provide the ability to report on aggregates of resources hours (including matrixed resources).	YES - QUALIFIED	<p>This requirement can be satisfied if source systems (e.g., ATAAPS, CHRIS) have the necessary data.</p> <p>Travel, salary, raises, benefits (full cost recovery) are provided for matrixed resources.</p>

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**User Want:**    Performance Measurement    Users want to create performance measures, record results, and analyze results.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
56	The performance measurement subsystem shall permit users to create performance measures for a variety of purposes.	YES	<p>This requirement may be satisfied by Joule. If Joule is unable to satisfy this requirement, then a performance measurement subsystem will be used or developed within the data warehouse. This performance measurement subsystem will be used until SBS is fielded.</p> <p>Examples of purposes include customer service and contracts.</p> <p>Examples of performance measures for customer service include: number completed and number satisfied.</p> <p>Examples of performance measures for contracts include: milestones met.</p> <p>The performance measurement sub-system will permit users to create any performance measure using business rules for their establishment.</p>
57	The performance measurement subsystem shall permit the users to create performance measures for contracts.	YES	This requirement is captured in Requirement #56.
108	The system shall provide the ability to report on mission and function statements for departments.	YES	This requirement may be better addressed by SBS.
112	The system shall provide the ability to track long term performance measures and short term targets and program goals.	YES	Currently, program goals are put in place for three-four years; annual targets assigned to these goals change yearly, and roll up to determine the performance of the program goal. Long term indicators may have a duration of anywhere from 10 to 15 years; their performance will be determined by program goal performance.
113	The performance measurement subsystem shall support the reporting of performance measures and performance ratings at various organizational levels.	YES	This requirement may be satisfied by Joule. If Joule is unable to satisfy this requirement, then a performance measurement subsystem will be used or developed within the data warehouse. This performance measurement subsystem will be used until SBS is fielded.
114	The system shall provide the ability to compare offices based on percentage of goals met.	YES	<p>This requirement may be better addressed by SBS.</p> <p>Performance ratings can be generated at multiple levels based on hierarchies that are to be established.</p>



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**User Want:**    Performance Measurement    Users want to create performance measures, record results, and analyze results.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
115	The performance measurement subsystem shall provide the ability to divide annual targets into quarterly milestones.	YES	This requirement may be satisfied by Joule. If Joule is unable to satisfy this requirement, then a performance measurement subsystem will be used or developed within the data warehouse. This performance measurement subsystem will be used until SBS is fielded.
116	The performance measurement subsystem shall provide the ability to track cumulative and discrete results. This includes "carryover" from previous quarters.	YES	This requirement may be satisfied by Joule. If Joule is unable to satisfy this requirement, then a performance measurement subsystem will be used or developed within the data warehouse. This performance measurement subsystem will be used until SBS is fielded.
117	The performance measurement subsystem shall provide the ability to attach categories to measures.	YES	This requirement may be satisfied by Joule. If Joule is unable to satisfy this requirement, then a performance measurement subsystem will be used or developed within the data warehouse. This performance measurement subsystem will be used until SBS is fielded.  Examples of categories include: - efficiency measures - effectiveness measures
154	The performance measurement subsystem shall permit the creation of performance hierarchies and the linkage of these structures to other I-MANAGE components as required by DOE performance measurement policies.	YES	This requirement may be satisfied by Joule. If Joule is unable to satisfy this requirement, then a performance measurement subsystem will be used or developed within the data warehouse. This performance measurement subsystem will be used until SBS is fielded.
180	The system shall provide a dashboard interface to program managers for performance measures. This interface will permit users to navigate the performance measure hierarchies as well as access other available performance measurement information.	YES	
211	The system shall provide a flexible performance measurement system that meets the needs of the department's evolving performance measurement program.	YES	

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**User Want:**    Performance Measurement    Users want to create performance measures, record results, and analyze results.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
111	The system shall support the generation of the consolidated quarterly performance report.	YES - QUALIFIED	<p>The performance sub-system will provide actual results and evaluations of performance metrics.</p> <p>This report currently uses the following sources: APP, small business awards, Office of Engineering Construction Management status report, and PMA initiatives.</p> <p>In the future, these reports will be expanded to include financial information.</p>
128	The system shall provide the ability to track audit recommendations and results.	YES - QUALIFIED	<p>This requirement may be better addressed by an audit tracking system.</p> <p>It may be possible to capture audit recommendations and results within the Performance Measurement system: recommendations can be metrics and audit results can be recorded as an actual.</p>
212	The system shall provide performance measurement systems and repositories that support the quarterly performance report to be integrated into I-MANAGE.	YES - QUALIFIED	<p>This requirement is captured in Requirement #111.</p>
213	The system shall provide text searches within performance measurement hierarchy.	YES - QUALIFIED	<p>The Data Warehouse team will conduct product evaluation and make a recommendation for a tool that facilitates text searches.</p> <p>An example of these tools is Oracle Intermedia.</p>

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**User Want:** Procurement

Users want to perform informational reporting on procurement activities.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
70	The system shall provide the ability to exclude WFO from the procurement base.	YES	
78	The system shall provide the ability to aggregate financial data by type of award.	YES	Example of types of awards include: purchase card, blanket purchase agreement, and purchase orders under \$25K.  The data warehouse will be able to aggregate and analyze transaction data if it is available in a source system.
125	The system shall provide the ability to track assistance agreement information.	YES - QUALIFIED	Assistance agreements include: cooperative agreements, grants, and repayment agreements.  The data warehouse will be able to aggregate and analyze transaction data if it is available in a source system.
135	The system shall provide a report on procurement information, including commitments.	YES - QUALIFIED	See footnote 2 (esp. 2.3).  The data warehouse will be able to aggregate and analyze transaction data if it is available in a source system.

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**User Want:**    Small Business Achievement    Users want to perform analytical processing of small business achievement.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
90	The system shall provide reporting on small business achievement, including the existing FDW reports on small business.	YES - QUALIFIED	<p>Small business achievement is the ratio of the total value of contracts granted to small business and the total value of all contracts.</p> <p>Source systems may need to be established for this information (especially for PMA and FERC).</p>

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**User Want:**     Dashboard

Users want a customizable executive view of business metrics of interest within the organization.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
155	The system shall provide a report on allotments, reservations, and balances.	YES	This should be high level financial information. Presentation should be numerical vs. graphical.
179	The system shall provide each user with the ability to choose the business metric(s) that will be included on their executive dashboard.	YES	Users may choose to highlight different business metrics depending on the time of year.
182	The system shall provide dashboards that use color ratings (green, yellow, red) to illustrate the range of business metrics.	YES	
62	The system shall provide the ability to identify contracts that have not had any activity for a specified time.	YES - QUALIFIED	See footnote 1 (esp. 1.4).

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**User Want:**    Integration of Subject Areas    Users want to perform analytical processing across multiple subject areas such as budget formulation, budget execution, and performance.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
25	The system shall be able to integrate cost data with procurement data.	YES	
34	The system shall support integration of budget, performance, and financials (accounting data).	YES	
44	The system shall provide the ability to link program direction costs with aggregations of people. This includes distribution across salaries and benefits.	YES	See footnote 3.  People may be aggregated according to, for example, grade.
45	The system shall provide the ability to integrate accounting, budget, manpower, FTE, onboard counts and average cost per FTE data.	YES	See footnote 3.
127	The system shall provide the ability to report on budget and performance metrics.	YES	
253	The system shall provide a report that includes budget authority, actual obligations for funding, and full-time staffing equivalents.	YES	See footnote 3.  This report may be used in the Annual Accountability Report and Department's budget request
8	The system shall permit the use of the program segment of the accounting flex field when linking budget and performance.	YES - QUALIFIED	This requirement is captured in Requirement #152.
31	The system shall be able to merge payroll modeling, program activity, and site information into single reports.	YES - QUALIFIED	This requirement can be fulfilled by the user creating a custom report that applies current business rules for payroll projections.
122	The system shall provide the ability to link contractor support costs information with FTE data.	YES - QUALIFIED	This requirement may be satisfied if FTE data (that ties to the same link used to extract the contractor cost data) is available.  Currently, it is believed that this data will not be available for integrated contractors.
152	The system shall provide the ability to link budget execution and budget formulation to the program segment of the accounting flex field.	YES - QUALIFIED	Current budget formulation data does not carry B&Rs. This requirement may not be fully satisfied until STARS and SBS are integrated.

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**User Want:**    Thresholds and Alerts

Users want to be able to specify threshold values and to be alerted when some subject measurement breeches the threshold.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
42	The system shall permit the user to specify user-defined thresholds for data elements.	YES	Examples of thresholds includes unobligated balance variance by program activity type and uncosted thresholds based on contract type.
47	The system shall permit the establishment of uncosted thresholds based on contract type.	YES	This requirement is captured in Requirement #42.
165	The system shall be capable of informing users of exception conditions through email and other channels. The value of email alerts is enhanced by including links to the specific area of the system.	YES	
173	The system shall provide the ability to specify thresholds for alerts.	YES	This requirement is captured in Requirement #42.
175	The system shall provide alerts such as "traffic lights".	YES	This requirement is captured in Requirement #165.
181	The system shall provide dashboards that use the "stoplight" model for alerts.	YES	This requirement is captured in Requirement #165.
36	The system shall provide alerts based on changes in the base table.	YES - QUALIFIED	This requirement can be satisfied with a feed from the Funds Distribution System (FDS). In the future, the feed would come from the Standard Budget System (SBS).

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**User Want:**    Work Breakdown Structure    Users want to perform analytical processing based on work breakdown structure (WBS) elements.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
9	The system shall be able to slice and dice B&Rs for historical purposes.	YES - QUALIFIED	See footnote 7.  This requirement can be satisfied if the accounting flex field hierarchy is replicated in the Data Warehouse.  The Data Warehouse will be loaded with highly summarized data beginning in 2004 for open instruments. Hence, open instruments will not have a set of rich transactions to describe, say, monthly changes prior to FY 2004.  More detailed transactions will begin for FY 2005.
40	The system shall be able to unambiguously pick programs (from the program segment of the accounting flex field) for reporting purposes, including those that have changed historically, for program activities.	YES - QUALIFIED	See footnote 5. See also footnote 7.  The ability to traverse B&R changes over time is currently under review.
138	The system shall provide the ability to report the total money spent in specifically identified foreign countries, less overhead.	YES - QUALIFIED	See footnote 5. See also footnotes 7 and 8.  It may be possible to determine foreign country locations of obligations but it may not be possible to determine the locations on where money is actually spent.  Currently, there is special interest in money spent in Russia.  This requirement can be met through appropriate configuration of AFF segments.
270	The system shall provide information at lower levels than the current B&R allows.	YES - QUALIFIED	The STARS AFF includes segments for project, program, work for others, and local use.



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**User Want:** Cross-cuts

Users want to perform analytical processing of defined cross-cuts.

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<i><b>ID</b></i>	<i><b>Requirement</b></i>	<i><b>Satisfied</b></i>	<i><b>Remark</b></i>
276	The system shall provide reports on Lab, Plant, and Site Directed R&D (LDRD, PDRD, and SDRD).	YES	This requirement is captured in Requirement #29.
29	The system shall be able to report on crosscuts.	YES - QUALIFIED	<p>This requirement was covered during the March 2003 Joint Requirements Conference that covered requirements for Cost Accounting and Integration of Budget and Performance.</p> <p>Cross cuts represent a presentation of financial data that is based on an alternate set of reporting and roll-up rules that is not related to the accounting flex field.</p> <p>All cross cuts require a feed from the integrated contractors.</p> <p>Examples of crosscuts include: R&amp;D, ES&amp;H, S&amp;S, HBCU, Maintenance, F&amp;I, HFCIT, FCVT, Independent Centers, Science Education, Reimbursable Work, Contractor Travel, and Vehicle.</p>